



Executive Summary of the Tokyo 2020 Olympic and Paralympic Games Sustainability Plan Version 2

June 2018

The Tokyo Organising Committee of the Olympic and Paralympic Games

Be better, together

For the planet and the people



Climate Change
Towards Zero Carbon

Resource Management
Zero Wasting

Natural Environment and Biodiversity
City within Nature/
Nature within the City

Consideration of Human Rights, Labour and Fair Business Practices
Celebrating Diversity

Involvement, Cooperation and Communications
United in Partnership & Equality



This image is for illustration purposes as of 11 June 2018.
The Tokyo Organising Committee of the Olympic and Paralympic Games

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Preface

Sustainability Plan

- The Tokyo 2020 Olympic and Paralympic Games Sustainability Plan (the Plan) has been developed by the Tokyo Organising Committee of the Olympic and Paralympic Games (Tokyo 2020) to maximise sustainability consideration related to the Tokyo 2020 Games and to contribute to sustainable development.

Development process of the Plan

- The Plan has been developed referring to discussions within expert committees, public comments, and opinions of NGOs and NPOs.
 - High level Sustainability Plan (January, 2016)
 - Sustainability Plan Version 1 (January, 2017)

The Plan Version 2

- Clarified the contribution towards SDGs, and management system of implementation and monitoring
- Specific targets and measures

Sustainability Report

- 3 reports will be published:
 - Progress Report in spring of 2019
 - Pre-Games Report in spring of 2020
 - Post-Games Report in winter of 2020/2021

Introduction

Significance of the Tokyo 2020 Games (change in significance of delivering the Games)

- The Tokyo 1964 Games was aimed for the development of Tokyo and Japan.
- The Tokyo 2020 Games would provide a momentum for a mature Tokyo to transform into an even more functional and attractive major city.
- Delivering the Tokyo 2020 Games would afford an opportunity to demonstrate that the host city Tokyo is working to become a highly matured city with vigour and magnanimity suitable for the 21st century.
- The Tokyo 2020 Games will embody Japan's intention and ability to contribute to Sustainable Development Goals (SDGs) and to lead global efforts towards a sustainable society as an advanced country that has solved various challenges ahead of other countries.

Progress and changes occurred to Tokyo, Japan, and the world since the 1964 Games

- The Tokyo 1964 Games contributed to growth and transformation of Tokyo and Japan.
- Various efforts for further evolution are in progress in Tokyo and Japan. The Tokyo Metropolitan Government (TMG) has been implementing its mid-to-long-term strategies to further raise Tokyo to a city suitable for the 21st century.
- Nevertheless, the global society including Japan is facing serious challenges in regards to environmental, social, and economic sustainability.

Global common determination and contribution of Japan and Tokyo

- Realising Sustainable Development Goals (SDGs) is the global common goal.
- Tokyo and Japan will showcase solution models to overcome challenges through the delivery of the Games as an "advanced city/country in solving sustainability issues," and pass on legacy of the Games for the future.

1. Basic Approach

1.1 Basic Principles

- The Olympic and Paralympic Games are one of the world's largest sports events and may have global impacts.
- Tokyo 2020 incorporates sustainability in preparation and operation of the Tokyo 2020 Games and will meet its responsibility to deliver sustainable Games.
- The Sustainability Concept of the Tokyo 2020 Games: Be better, together - For the planet and the people

1.2 Main Themes of Sustainability

- Five main sustainability themes of the Tokyo 2020 Games are widely related to the overall targets in SDGs as these main themes comprehensively address to environmental, social and economic aspects.

1.3 Organisations Concerned

- With Tokyo 2020 as the core, sustainability efforts of the Games are undertaken in collaboration with TMG, the Government of Japan, relevant regional/local governments, sponsors, and other delivery partners and stakeholders.

1.4 Scope of the Plan

- The primary scope covers the range Tokyo 2020, TMG, the Government of Japan and relevant regional/local governments exercise responsible control directly related to the Games. The range they can assume influence on other parties is also taken into consideration.

1.5 Governing Principles of Sustainable Development

- Four governing principles which are the basic value of realising sustainability, i.e. stewardship, inclusivity, integrity, and transparency, are respected.

1.6 Management Systems and Tools

- Introduction of ISO 20121 which supports Tokyo 2020 to ensure delivering sustainable event. Implementation of the Sustainable Sourcing Code.

Be better, together

For the planet and the people

Japan and Tokyo have overcome serious pollution issues and become a mature society. We are now facing global sustainability challenges such as climate change, depletion of natural resources, loss of biodiversity, human rights issue such as discrimination, and aging.

Tokyo and Japan are committed to further accelerate activities to realise sustainable society through the delivery of the Tokyo 2020 Games and showcase solution models to people in Japan and around the world.

Thus, the sustainability concept of the Games is set as "Be better, together - For the planet and the people." Tokyo 2020 will take the initiative to meet its responsibility to deliver sustainable Games in cooperation with delivery partners and various stakeholders.

Tokyo 2020 and related parties aim to contribute to the realisation of Sustainable Development Goals (SDGs) and their concept of "leave no one behind," through the delivery of the Games for the future of the earth and the people. We are also committed to make sure the meaning of the Tokyo 2020 Games' concepts and legacies will be passed on to future Olympic/Paralympic Games and various activities and initiatives throughout Japan and the world.

(Reference) Relevance between the five main sustainability themes of the Tokyo 2020 Games and SDGs (Significant examples)

Climate Change: SDGs 7, 8, 11, 12, 13, 15, 17.

Best use of existing competition venues and public transport networks (SDG11, 12, 13)
Maximum use of renewable energy (SDG7, 13)

Resource Management: SDGs 8, 9, 11, 12, 14, 15, 17.

Use of resources in a circulative way, maximisation of resource efficiency (SDG12)
Reduction of adverse impacts by resource exploitation and environment impacts through supply chains (SDG14, 15)

Natural Environment and Biodiversity : SDGs 2, 3, 6, 9, 11, 12, 14, 15, 17.

Restoration and formation of ecosystem networks, increasing the comfort and resilience of the urban environment

Consideration of Human Rights, Labour, Fair Business Practices : SDGs 1, 4, 5, 8, 9, 10, 11, 12, 13, 16, 17.

The preparation and operation of the Games in accordance with the United Nations Guiding Principles on Business and Human Rights
Firm incorporation of diversity and inclusion (D&I)

Involvement, Cooperation and Communications (Engagement): : SDGs 16, 17.

Preparation and operation of the Games through the involvement and cooperation of various groups and organisations
Communication of the information of these activities, technologies, experiences, and knowledge which benefit sustainability through the Games



2. Individual Outlines of Main Themes (Targets and Measures to Reach the Targets)

2.1 Climate Change

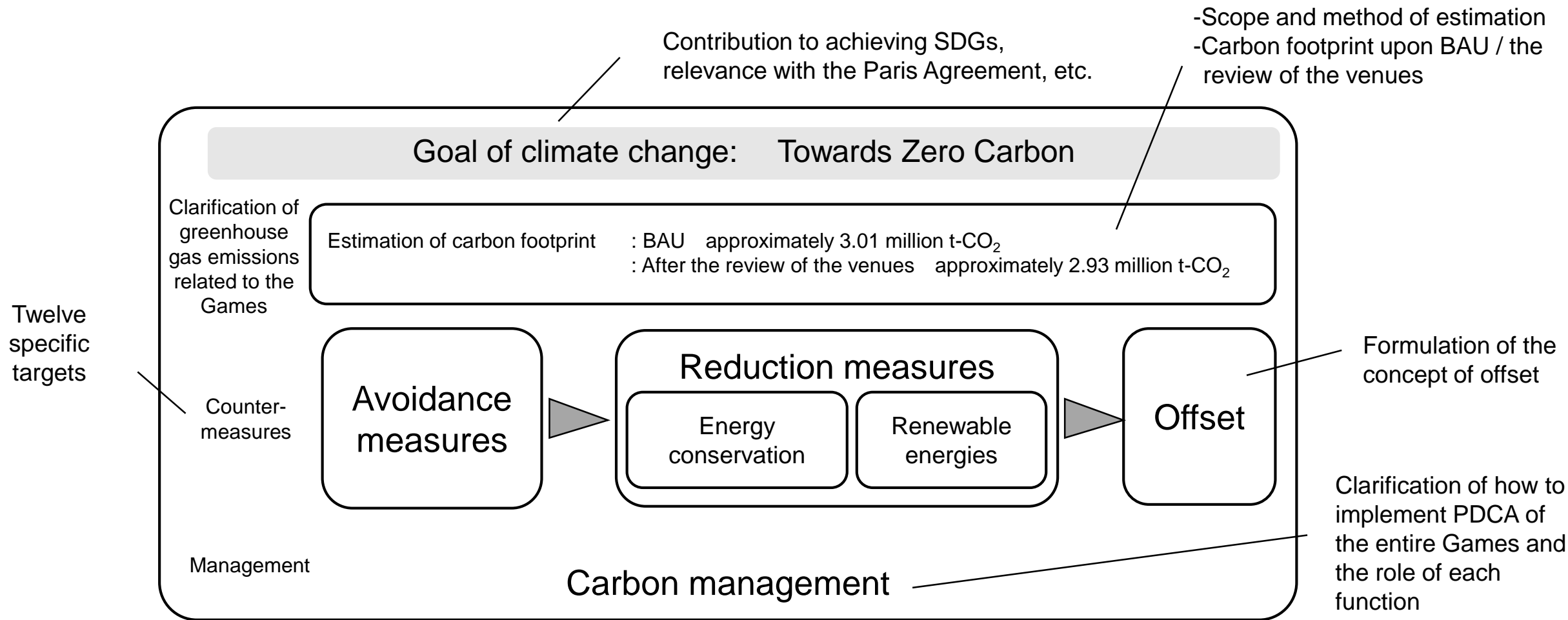
1) **Goal**

Towards Zero Carbon

2) **Overall direction**

In 2020 when the Paris Agreement starts, this goal represents the intention of Tokyo 2020 and delivery partners to manage the Games focusing on maximum energy savings and use of renewable energy, and thereby to build the foundation of decarbonisation with the effort of everyone, ahead of the world.

3) Concept and Priorities of initiatives



Through the Tokyo 2020 Games, the foundation of decarbonisation is going to be built so that it will be an important boost to realise goals set forth by the Paris Agreement and SDGs. To realise that, plans for the Games will be established to avoid, reduce, and offset CO₂ emissions to mitigate climate change and to provide information on the overall carbon management.

4) Targets in the field of climate change

Category of measures		Target	
Emissions avoidance	Construction	1. Strategic venue planning for the maximum use of existing venues and public transport networks	
		2. Ensuring high environmental performances in the construction of venues	
	Operation	3. Maximum procurement of materials and goods with high environmental performances	
Reduction of emissions	Construction	4. Construction of venues by effectively using energy saving technologies	
		Operation	5. Maximum use of facilities and equipment with high energy efficiency 6. The implementation of energy management in venue operations, and the installation and use of BEMS in new permanent venues 7. Reduction of CO ₂ through recycled use of materials and goods as much as possible 8. Promotion of transport with lower environmental load
	9. Maximum reduction of greenhouse gases besides CO ₂ (e.g. HFCs)		
	Renewable energy		Construction
		Operation	11. Maximum use of renewable energy
Offset		12. Implementation of offset for CO ₂ and other greenhouse gasses which are inevitably emitted even with the implementation of avoidance/reduction measures of emissions	

5) Measures to be implemented to achieve targets

Target 1 : Strategic venue planning to fully use existing venues and public transport networks [Construction]

- In addition to the use of existing venues such as Yoyogi National Gymnasium and Nippon Budokan which were the main venues in the 1964 Tokyo Olympic Games, the revised venue plans will ensure the use of existing facilities in about 60% of all venues (25 out of 43 venues), which means the reduction of approximated 80,000 t-CO₂.

Target 2 : Ensuring high environmental performances in the construction of venues [Construction]

- The emission of CO₂ will be avoided through the selection of environmentally friendly construction materials and the use of environmental technologies.
 - The use of passive design using natural effects such as natural lights and ventilation at five new permanent venues
 - Use of recycled materials (e.g. concrete made with recycled aggregates and recycled crushed stones)
 - Use of environmentally friendly materials (e.g. timbers produced in Japan)

Target 3 : Maximum procurement of materials and goods with high environmental performances [Operation]

- Upon procurement of materials and goods, ones with lower CO₂ emissions are selected to satisfy environmental laws, regulations, policies, and guidelines, based on the Sourcing Code.

5) Measures to be implemented to achieve targets

Target 4 : Construction of venues by effectively using energy saving technologies [Construction]

- Improvement of energy efficiency in additionally constructed permanent venues in the entire buildings by actively using functions and technologies with lower environmental loads
 - Ensuring the maintenance of Rank S performance in Comprehensive Assessment System for Built Environment Efficiency (CASBEE) at three new permanent venues
 - Acquisition of Level 3 in the Green Building Program of the Tokyo Metropolitan Government at seven new permanent venues with more than 2,000m² of total floor area

Target 5 : Maximum use of facilities and equipment with high energy efficiency [Operation]

- Reduction of CO₂ emissions through the effective installation of efficient and high-energy-performance facilities and devices
 - To reduce CO₂ emissions from torches used in the Torch Relay and those from the relay caravan
 - To reduce CO₂ emissions and resource consumption through the production of uniform for the staff of the Games
 - To reduce CO₂ emissions when organising live concert sites
 - With regard to accommodation for those involved in the Games, to promote energy-saving
 - To encourage caterers to select environmentally friendly and energy-saving devices and equipment

Target 6 : The implementation of energy management in venue operations, and the installation and use of BEMS in new permanent venues [Operation]

- Promotion of proper energy management in the operation of the Games by using BEMS at four new permanent venues
- Reduction of the energy consumption by controlling the use of lighting and air conditioners at workforce areas and other areas

*BEMS: Building and Energy Management System

5) Measures to be implemented to achieve targets

Target 7 : Reduction of CO₂ emissions through the maximum recycling of materials and goods [Operation]

- Materials, goods and devices used in the Games must be procured through rental/lease schemes as a basic rule. If they have to be purchased, they should have specifications to enable post-users to reuse them as much as possible and be utilised through re-sale market etc. after they are used in the Games operation. In this way Tokyo 2020 secures recipient post-users for them.

Target 8 : Promotion of transport with lower environmental load [Operation]

- Maximum use of public transport in Japan that is the most advanced and efficient in the world and the use of low-pollution and fuel efficient vehicles in the Games
 - Promotion of the use of public transport
 - Use of environmentally friendly vehicles such as hybrid vehicles and fuel-cell vehicles
- Reduction of environmental loads such as CO₂ emissions through various efforts including the promotion of eco-driving through rigorous awareness-raising campaigns
 - The practice of eco-driving in the transport of goods and materials associated with the Games and the provision of efficient transport routes
 - The reduction of the total volume of vehicle traffic through traffic demand management and the realisation of smooth traffic environment

Target 9 : Maximum reduction of greenhouse gases (GHG) besides CO₂ (e.g. HFCs) [Operation]

- Purchase of devices which run with non Fluorocarbons (natural refrigerant)
- Proper prevention of the leakage of Fluorocarbons upon the removal of used refrigeration and air conditioning devices

5) Measures to be implemented to achieve targets

Target 10 : Installation of facilities which use renewable energies in new permanent venues [Construction]

- Installation of various renewable energy systems such as solar power systems and geothermal energy systems at permanent venues

Target 11 : Maximum use of renewable energy [Operation]

- Renewable energies are going to be used as the electricity used in the operation of the Tokyo 2020 Games as much as possible through the renewable grid electricity and the purchase of Tradable Green Certificates
(The ratio of renewable energy in the electricity used at competition venues, IBC/MPC, and the Olympic/Paralympic Village: 100%)
- The possibility of using renewable energies as fuels is also explored in cooperation with stakeholders.

Target 12 : Implementation of offset for CO₂ and other greenhouse gases which are inevitably emitted even with the implementation of avoidance/reduction measures of emissions

- The CO₂ and other greenhouse gasses emitted through the Games which cannot be eliminated through the implementation of measures greenhouse gasses are offset using carbon credits which match with the concept of offset for the Tokyo 2020 Games.
- Activities to improve awareness toward climate change and actions to reduce future emissions will be promoted through the participation and cooperation of various organisations and groups. Outcomes of such activities will be quantitatively accumulated.

6) Management and implementation systems

- Development of carbon management system based on ISO20121 such as the clarification of the roles of various stakeholders and the verification of the implementation status of reduction measures from the planning phase to the completion of the Games to ensure the effectiveness of implemented measures

7) Adaptation strategies

- Implementation of adaptation strategies to deal with the current weather conditions in which extreme weather events are becoming common
 - Implementation of heat management measures in cooperation with TMG and the national government to ensure the safety of the Games under the intense summer heat
 - Ensuring public health including infectious diseases management strategies to respond to the inflow of visitors and materials from in and outside of Japan

8) Involvement, Cooperation and Communication

- Cooperative relationship among organisations and groups is strengthened while widely distributing information to promote carbon reduction measures through their involvement and cooperation
 - Promotion of proactive actions to realise zero-carbon society by making energy consumption and CO₂ emissions visible to the general public
 - Strengthening of CO₂ reduction movement through the cooperation among the citizens, industries, Tokyo, and the national government

2.2 Resource Management

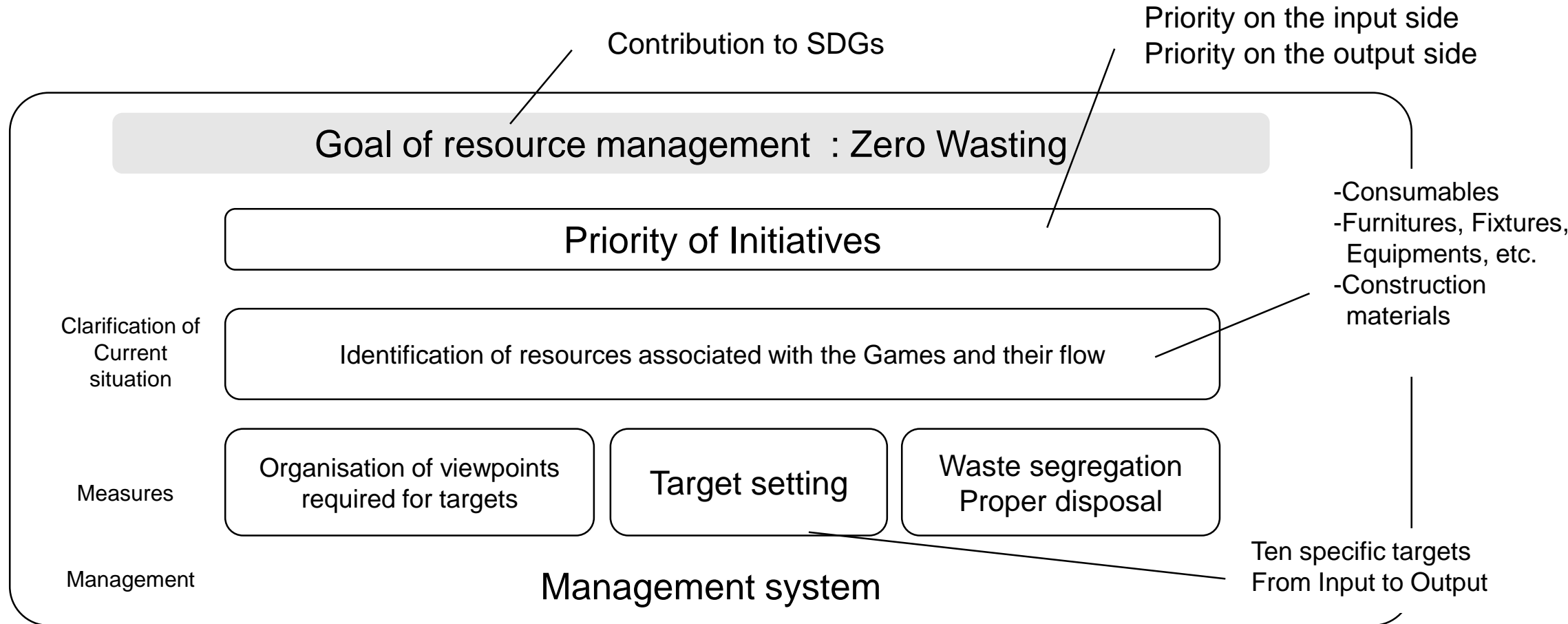
1) **Goal**

Zero Wasting

2) **Overall direction**

The Tokyo 2020 Games conducts resource management by all, aiming to suppress deforestation and land devastation caused by resource exploitation as well as to bring environmental load by waste into zero, on the basis of utilising resources without any wasting throughout the supply chain.

3) Concept and priorities of initiatives



The Games plans are established so that resources will be utilised in the Games without wasting them and so that the Games will be a major turning point to realise SDGs Goal 12, "to ensure sustainable consumption and production patterns."

4) Targets in the field of resource management

		Target	
		Input side	Output side
The aspect of people and social activities	Reduce	1. Reduction of the edible part of food waste 2. Reduction of packaging materials 3. Reduction of the production of new items by using rentals and leases to procure items	
	Reuse	3. Reuse or recycle of procured items and goods (use of rentals and leases, reuse after the Games)	
	Recycle	4. Use of recycled materials 5. Use of recycled metal in medals of the Games	6. Reuse or recycle of wastes generated from operations of the Games 7. Recycle of food waste 8. Reuse or recycle of construction wastes
The aspect of the conservation of the global environment		9. Sustainable use of renewable resources (e.g. timbers)	10. Reduction of emissions into the environment (Reduction of the amount of landfill and CO ₂ derived from wastes)

5) Measures to be implemented to achieve targets

Target 1 : Reduction of the edible part of food waste (reduction of the generation of food loss)

- Measures implemented by suppliers: Efforts to forecast the amount of food and drinks to serve using ICT and other technologies
- Measures upon serving: Adjustment of the volume to be served such as portion control
- Awareness-raising: Awareness-raising targeting athletes and the Games staff about the importance of reducing edible part of food loss
- Measurement: Measurement of food wastes and visualisation of the amount

Target 2 : Reduction of packaging materials

- Measures upon procurement: Reduction of the use of packing and packaging materials and disposable containers through the cooperation with sponsors, licensees, suppliers, etc.
- Awareness-raising: Encouragement for the staff of the Games and spectators to reduce containers and packaging materials
- Measurement: Gathering of data such as the amount of containers and packaging wastes generated

5) Measures to be implemented to achieve targets

Target 3 : Reuse or recycle of procured items and goods (use of rentals and leases, reuse after the Games)

Reduction of the production of new items and goods through the use of rentals in procurement

- Use of rentals and leases as much as possible and the promotion of sharing
- Pursuit of reuse and recycling of purchased items by strategically securing those who would use the goods after the Games such as by reselling them or cooperating with the national government, local governments, and sponsors
(Ratio of reuse and recycling of procured items and goods (including rentals and leases): 99%)
- Temporary venues and overlays are planned to ensure uses after the Games and minimise environmental impacts which may occur after the Games.

Target 4 : Use of recycled materials

- Encouraged use of recycled materials in constructions and procured items and goods and the identification of the amount used and actual values
- Use of recycled materials in Games staff uniform and the exploration of the implementation of horizontal recycling of PET bottles

Target 5 : Use of recycled metal in medals of the Games

- The Tokyo 2020 Medal Project: Towards an Innovative Future for All
(Ratio of recycled gold used in medals: 100%)

5) Measures to be implemented to achieve targets

Target 6 : Reuse or recycle of wastes generated from operations of the Games

- Reuse and recycling of wastes generated through the operations of venues and the Olympic/Paralympic Village
(The ratio of reuse or recycle of wastes generated through operation: 65%)
- Promotion of the participation of many stakeholders by calling for spectators to cooperate with waste segregation
- Reuse and recycling of dishes

Target 7 : Recycle of food waste

- Proper segregation of food wastes which is necessary for recycling
- Recycling of all food wastes generated from venues such as the dining halls of the Olympic/Paralympic Village where Tokyo 2020 would directly serve food

Target 8 : Reuse or recycling of construction wastes

- The recycling and volume reduction ratio of wastes generated from the construction of new permanent venues: 99% or more
- The ratio of the effective use of soil generated from construction: 99% or more
- Maximum efforts to realise the above targets at temporary venues and overlays

5) Measures to be implemented to achieve targets

Target 9 : Sustainable use of renewable resources (e.g. Timbers)

- Actively using of timbers in “Operation BATON - Building Athletes’ village with Timber Of the Nation -” and utilising of timbers used in the Games at various regions as the legacy of the Tokyo 2020 Games
- Promotion of the use of renewable resources including timbers at facilities in venues

Target 10 : Reduction of emissions into the environment

- The avoidance of the landfilling of wastes generated in association with the games through the above measures and the identification of the amount of wastes landfilled
- Estimation of the amount of CO₂ emissions from wastes in cooperation with climate change mitigation measures

Other aspects

- Segregation of wastes
 - Proper segregation to promote reuse and recycling
 - Use of designs regarding waste segregation (colours and pictograms) for easy recognition by visitors
- Thermal and energy recovery
 - Effective use of wastes as electricity or heat when they are not able to be reused or recycled
- Proper waste disposal
 - Segregation and disposal to ensure reuse and recycling, compliance with relevant laws and regulations

6) Management and implementation system

- Waste management is implemented from the preparation and operation of the Games, and to the venue demolition and removal including the identification of the status of the use of procured materials and goods, estimation of the amount of generated wastes, and how the wastes are disposed of.
 - Establishment of an integrated management system of materials and goods
 - Establishment of a management system to perform the waste generator responsibility for disposal of materials and goods
 - Establishment of systems to ensure smooth operations including training programs and guidelines for those involved with the Games

7) Involvement, Cooperation and Communications

- Spread of the circle of efforts while creating opportunities for all people involved with the Games including volunteers and spectators to actively participate in and cooperate with the activities along with the wide-range distribution of information
 - Training for workforce associated with the Games to make them more aware of the significance of sustainability and resource management
 - Promotion of behavior for not generating waste in the first place and understanding and cooperation with waste segregation rules at venues

2.3 Natural Environment and Biodiversity

1) **Goal**

City Within Nature/Nature within the City

2) **Overall direction**

Looking forward to the legacy, Tokyo 2020 will restore and form a rich ecological network through the Games and contribute to the creation of a new urban system that will improve comfort and resilience.

3) Relationship between people and nature in Tokyo and Japan

- Development of fine environment through the various human activities
 - Development and maintenance of the fine environment in harmony with various human activities such as those seen in *satoyama*
 - Gifts from the ocean are enjoyed at coastal areas where rich and diverse ecosystem and natural environment are preserved
- The development of the city's unique natural environment
 - Unique environment mixed with the existing natural environment and water zones and greens that people produced in city's
 - The restoration and development of nature are also continuing in the Games in Heritage Zone with historical nature and Tokyo Bay Zone where marine parks are constructed on landfilled areas.



Activities to realise a comfortable urban environment which exists in harmony with nature are implemented with the participation of various groups and organisations.

Also, human activities will improve the urban environment and contribute to the realisation of a model of a new mature city in which human activities will improve the urban environment which would keep developing into the future.

4) Targets in the field of natural environment and biodiversity

Target 1: To minimise the environmental load of the Games and improve the functions of water circulation in the city while improving the comfort that urban environment can offer

Target 2: To develop the urban environment with the rich ecological network by conserving biodiversity, creating lush greeneries and the water environment, and forming an attractive landscapes

Target 3: To minimise the environmental load associated with production, distribution, and other operations of the procurement phase of the Games by paying attention to prevent environmental contamination and protect biodiversity

5) Measures to be implemented to achieve targets

Target 1 : To minimise the environmental load of the Games and improve the functions of water circulation in the city while improving the comfort that urban environment can offer

- Heat management
 - Venues
(venues: Planning of the reduction of thermal load on buildings such as blocking heat on outer walls, installation of effective air conditioning methods, and the use of shades such as tents and lean-to for people waiting in line to enter facilities)
(roadside events: installation of solar heat-blocking pavement on prefectural roads within main areas such as Centre Core Area by 10 km every year and 136 km in total by 2020)
(around venues: support for wards, cities, and businesses which develop and install heat management facilities with advanced technologies in about six areas around venues)
 - Distribution of information
(careful planning of methods to call for attention, exploration of system to integrate information)
 - Operation of the Games
(exploration to establish preventive measures such as the supply of drinking water and emergency response systems)
 - Inclusion, participation, and other aspects
(implementation of *uchimizu* (water sprinkling), planning of ways to provide cooperative opportunities)
- Consideration toward chemical substances, atmosphere, and soil in the Games
 - Implementation of the Tokyo 2020 Olympics and Paralympics Environmental Assessment
 - Investigation and preventive measures based on the Soil Contamination Countermeasures Act
 - Use of public transport and low-pollution and fuel efficient vehicles
 - Use of low-emission and low-noise type construction machineries
- Consideration toward water circulation in the Games
 - Effective use of water resources through the installation of filtration facilities and the use of rainwater and recycled water
(The planned amount of water used for miscellaneous purposes at new venues: about 1,200 m³ per day)
 - Exploration of measures to prevent the inflow of the coliform group during rain into water areas at Odaiba Seaside park

5) Measures to be implemented to achieve targets

- Efforts to create healthy water circulation in cities
 - Improvement of water quality at the moats of Kokyo Gaien National Garden
 - Construction of sewage water retention facilities
(construction of retention facilities with the total capacity of 1.50 million m³ of water by the Games)
 - Installation of advanced sewage treatment facilities
(the reinforcement of treatment capacity to the total of 4.30 million m³ per day by FY2020)
 - Dredging and sand covering of rivers and canals (conducted at five rivers and 15 locations of canals by 2020)
 - Activities to regenerate Tokyo Bay in cooperation with various groups and organisations

Target 2 : To develop the urban environment with the rich ecological network by conserving biodiversity, creating lush greeneries and the water environment, and forming an attractive landscapes

- Greening at competition venues
 - Greening at venues to conserve existing trees and native species
(selection of plants to plant to suit the climate based on the continuity with existing trees and plants and regional histories)
- Production of green areas and water spaces in the city and the development of pleasant landscapes
 - Production of the network of water and green with parks and trees on streets
(production of beautiful landscapes of roads by redeveloping boulevards and the development of marine parks to improve the attractiveness of coastal areas)
 - Development of landscapes filled with flowers and greens
(promotion of greening with flowers and plants in cooperation with communities and private organisations)
 - Production of green areas by the private sector
(production of rich urban spaces through the preservation of farmlands and urban redevelopment projects)

5) Measures to be implemented to achieve targets

- Regeneration of the urban natural environment and conservation of biodiversity
 - Conservation of biodiversity in prefectural parks (intensive environmental development at 18 parks by 2020)
 - Conservation of biodiversity in marine parks
(actions to acquire the registration with the Ramsar Convention with the tidal flats at Kasai Kaihin park)
 - Promotion of greening that takes biodiversity into consideration
(expansion of ecological network through greening using native species)
 - Measures to combat alien species (prompt removal of alien species and awareness-raising campaigns)
- Production of ground for people to enjoy nature in the city
 - Production of relaxation spaces in parks (expansion of park routes facing the ocean and the expansion of areas where people can feel close to the ocean through the development of open spaces)
 - Construction of oasis for citizens to enjoy nature around the Olympic/Paralympic Village and venues, construction of parks with disaster management functions

Target 3 : To minimise the environmental load associated with production, distribution, and other operations of the procurement phase of the Games by paying attention to prevent environmental contamination and protect biodiversity

- Prevention of contamination through the production and distribution of items procured for the Games and the management of chemical substances
 - Materials and items produced with properly managed chemical substances must be selected to prevent air, water, and soil contamination
 - Resources obtained from forests and oceans must be ones which are collected and cultivated using resource conservation measures
 - Reduction of environmental load of constructions by using recycled items and raw materials containing recycled resources

5) Measures to be implemented to achieve targets

- Resource consumption in the Games to preserve biodiversity
 - Procurement to minimise effects on biodiversity throughout the supply chain (reduction of impacts on biodiversity and ecosystem, avoidance of the use of illegally logged timber to reduce deforestation or forest degradation)
 - The use of organically produced agricultural crops is recommended
 - Active use of agricultural, forestry, and fishery products produced in Tokyo and Japan
 - Promotion of activities to increase the acquisition of GAP certificates, establishment of Tokyo GAP certificate system

6) Management and implementation systems

- Tokyo 2020 is committed to properly check the progress of activities at various organisations and groups from the Games planning phase to its end, summarise outcomes, and to make the findings useful for continuous and improvement activities after the Games.

7) Involvement, Cooperation and Communication

- Development of parks, environmental education, and the production of cooperation through the participation of the citizens. Distribution of the information of culture which coexists with the blessing of the ocean such as sea bathing experiences and seaweed production
- Production of spaces filled with flowers and plants through the cooperation of the citizens of Tokyo and businesses
- Exploration of opportunities and means of cooperation using the activities and knowhow of private businesses and organisations

2.4 Consideration of Human Rights, Labour and Fair Business Practices

1) Goal

Celebrating Diversity ~Inspiring Inclusive Games for Everyone~

2) Overall direction

The Tokyo 2020 Games aim to firmly incorporate diversity and inclusion (D&I) into every area of games operation to respect human rights of all people involving with the Games following the Olympic Charter. Tokyo 2020 will operate the Games in accordance with the UN's Guiding Principles on Business and Human Rights. It seeks to prevent or mitigate adverse human rights impacts that are caused through the Games-related activities, even if they are outside of management control area of Tokyo 2020 (i.e. other organisations or individuals). The Tokyo 2020 Games aim to avoid causing or contributing to any discrimination such as race, colour, sex, sexual orientation, language, religion, political or disability, never encourage any issues of child labour, forced labour and excessive labour through the entire Games-related activities, even indirectly.

Tokyo 2020 also ensures fair business practices without corruptions or anti-competitive deals.

3) Targets in the field of human rights, labour and fair business practices

Actions respecting human and labour rights

- **Implement actions for consideration of human right of all parties involving with the Games**

Target 1: Raise awareness of D&I and provide training opportunities for staff

Target 2: Cooperate with stakeholders (partners)

Target 3: Secure accessibility (develop and implement guidelines)

Target 4: Promote actions at Games facilities and operations

- **Implement proper consideration of labour**

Target 5: Secure diverse human resources

Target 6: Implement and secure flexible working

Target 7: Provide appropriate working environment

Target 8: Implement necessary training

- **Implement consideration of fair business practices**

Target 9: Ensure procurement considering fair business practices

- **Implement consideration actions in procurement**

Target 10: Develop the Sustainable Sourcing Code and properly implement it

Measure to handle problems

Target 11: Prepare a communication system and properly understand the situation of human rights consideration issues

Target 12: For management control areas of Tokyo 2020, proactively request correction to abusers and protect victims

Target 13: Establish and properly implement the Grievance Mechanism for the Sustainable Sourcing Code

Target 14: For areas not under Tokyo 2020's direct management control, promptly communicate with responsible organisations /parties and request for their actions

4) Measures to be implemented to achieve targets

Actions considering human rights and labour

Actions for consideration of human rights and labour of all people involving with the Games

Target 1 : Raise awareness of D&I and provide training opportunities for staff

- Develop and implement D&I strategies
- The board members send messages; Staff members' declaration; Lectures by outside experts
- Create and distribute D&I handbook
- Deliver training (training on equality of people with disabilities, LGBT, customer-facing support and languages)

Target 2 : Cooperation with stakeholders (partners)

- Promote information sharing with partners
- Promote activities jointly taken by Tokyo 2020 and stakeholders
- Spread information about efforts made by involved parties utilising websites

Target 3 : Secure accessibility (develop and implement guidelines)

- Promotion of the development of facilities, accessibility to information such as through communications, and training for stakeholders based on the Tokyo 2020 Accessibility Guidelines

Target 4 : Promote actions at Games facilities and operation

- Facility planning for the Olympic Stadium and new permanent facilities based on laws, regulations, ordinances, and guidelines (e.g. accessibility to wheelchair seats, multi-purpose toilets, signage)
- Supply of food and drinks for people with different religious and cultural backgrounds, installation of prayer spaces
- Operation of the Games so that everyone involved with the Games experiences no discrimination or harassment and can feel included
- Respect for the freedom of media, expression and assembly concerning the Games
- Protection of the rights of all workers associated with the construction of Games facilities regardless of their nationalities

Other efforts

- The national government and related parties conduct procurement with companies promoting good work-life balance, and other parties and stakeholders are also encouraged to do so.

4) Measures to be implemented to achieve targets

Appropriate consideration actions for labour

Target 5 : Secure diverse human resources

- A workplace where no discrimination or harassment occurs, such as race, colour, sex, sexual orientation, gender identity, language, religion, political opinion, status in society, age, and disability where and various employees' talents are developed regardless of nationalities and are facilitated to feel included

Target 6 : Implement and secure flexible working

- Improvement of workstyle systems such as tele-working and flexible workhour system in addition to the reduction of excessive overtime works

Target 7 : Provide appropriate working environment

- In addition to promoting activities to reduce overtime to secure well-being of workers and good work-life balance, we will promote utilisation of a consultation centre.
- Provision of the environment where Tokyo 2020's staff can work, and volunteers can participate in activities free from undue concern in compliance with the law

Target 8 : Implement necessary training

- To secure proper workplace management aligning with the labour laws, we will educate the managers through training

Measures considering fair business practices

Target 9 : Ensure procurement considering fair business practices

- Disseminating fair business practices in training to ensure procurement with fair business practices

Implement measures for procurement

Target 10 : Develop the Sustainable Sourcing Code and properly implement it

- Encouragement for supply chains to practice sustainable operations based on the Sustainable Sourcing Code

4) Measures to be implemented to achieve targets

Measures to handle problems

Target 11 : Prepare a communication system and properly understand the situation of human rights consideration issues

- Based on UN's Guiding Principles on Business and Human Rights, Tokyo 2020 sets up a system to grasp issues of human rights and labour under a designated section in charge.
- Development of a system to verify whether the section assigned to implement corrective actions on abusers, protect victims, and accept reports concerning the Sourcing Code is properly being operated within the management authority of Tokyo 2020
- Development of a communication system within Tokyo 2020 to promptly contact relevant organisations and make necessary requests about issues occurred outside of the direct management control of Tokyo 2020

Target 12 : For management control areas of Tokyo 2020, proactively request correction to abusers and protect victims

- Tokyo 2020 will proactively implement corrective actions on those who violate human rights and/or labour issues and protect victims when human rights issues are caused within the scope its direct management control

Target 13 : Establish and properly implement the Grievance Mechanism for the Sustainable Sourcing Code

- Tokyo 2020 establishes and implements Grievance Mechanism for accepting reports concerning the non-compliance with the Sustainable Sourcing Code, to facilitate constructive discussion among parties concerned, and to seek resolutions based on mutual agreements.

(The Grievance Mechanism for the Sustainable Sourcing Code was established and came into service in April 2018.)

Target 14 : For areas not under Tokyo 2020's direct management control, promptly communicate with responsible organisations /parties and request for their actions

- Prompt communication with responsible organisations to make requests for their actions to respond to issues of human rights and labour

5) Involvement, Cooperation and Communications

- Involvement of all parties is necessary to make the Tokyo 2020 Games an event that would never directly or indirectly promote discrimination or labour problems and to leave diversity and inclusion the legacy of the Games.
- Implementation of activities and distribution of information in cooperation with the Sponsor Sustainability Network, international organisations such as ILO, NGOs in and outside of Japan, and labour-related organisations

2.5 Involvement, Cooperation and Communications (engagement)

1) Goal

United in Partnership & Equality ~ Inspiring Inclusive Games for Everyone ~

2) Overall direction

Tokyo 2020 will create the Tokyo 2020 Games open to everyone with participation and cooperation of entire society through interactions and training of various parties beyond countries and generations. We share such expertise and experience with people in society in order to help building a society where diversity & inclusion and engagement by various people and bodies are ensured as the norm.

3) Targets in the field of involvement, cooperation and communications

Target 1: Promote preparation and operation of the Games through collaboration and engagement of various parties

Target 2: Inclusion of a wide range of people through talent development

Target 3: Create broad inclusion through projects with the public

Target 4: Provide communication to encourage understanding and actions for consideration of sustainability

4) Measures to be implemented to achieve targets

Target 1 : Promote preparation and operation of the Games through collaboration and engagement of various parties

- Establish and operate the Sponsors Sustainability Network
 - Implementation of reuse and recycling project for purchased goods and materials to maximise sustainability efforts
 - Distribution of the information of innovative and advanced efforts of sponsors participating in the network through websites
- Implement the Tokyo 2020 Accessibility Guidelines
 - Participation of a wide range of stakeholders in Accessibility Council (secretariat: Tokyo 2020, the national government (Cabinet Secretariat), and TMG)
 - Exploration of accessible routes through on-site observation by concerned parties and experts
- Include and cooperate with the promotion networks of sustainability volunteers mainly consisting of junior and senior high school students established by the Ministry of the Environment
- Cooperation with other parties
 - Cooperation with municipal governments that offer pre-Games training camps and schools such as vocational schools other than universities and colleges

Target 2 : Inclusion of a wide range of people through talent development

- Volunteer training by Tokyo 2020 and TMG
- Cooperate and coordinate with the 3Rs Talent Development Conference Leveraging the Tokyo 2020 Olympic and Paralympic Games of the Ministry of the Environment
- Tokyo Metropolitan Education Commission provides 'education for sustainable development'
- Seminars by Tokyo 2020 to raise awareness of sustainability, and cooperation with Ambassador Olympians, Paralympians and other athletes in such awareness campaigns

4) Measures to be implemented to achieve targets

Target 3 : Creation of wider involvement through the project with the public

- Implement Tokyo 2020 Medal Project: Towards an Innovative Future for All
- Cooperation with colleges and universities
 - Share information about the Olympic and Paralympic Games (e.g. holding communication and briefing meetings)
 - Provide seminars and special lectures on ideals and history of Olympic and Paralympic Games and plans and operation of the Tokyo 2020 Games
 - Implement events and programmes to build up momentum for participation in the Tokyo 2020 Games
- Implement Tokyo 2020 Nationwide Participation Programmes
 - Accredite and encourage initiatives to contribute to actions and legacy plans around the nation to disseminate the concept of sustainability
- Promotion of efforts through the Tokyo 2020 education program
 - Provide Olympic/Paralympic education materials to school teachers
 - Vote for the mascot by elementary school children around the nation to help them learn ideals of the Olympic and Paralympic Games
 - Learning of the values and attractions of the Olympic and Paralympic Games through 'Tokyo 2020 Olympic and Paralympic Flag Tour' events visiting elementary schools
- Implement carbon offset through participation
 - Promotion of activities to increase awareness of the climate change and CO₂ reduction through the participation and cooperation of various parties
- Promotion of environmental activities of hotels, restaurants, taxi companies, and other related businesses

4) Measures to be implemented to achieve targets

Target 4 : Information sharing to raise public awareness of the importance of sustainability

- The Tokyo 2020 Games will provide the ideal opportunity to share with the world the experiences and knowledge of Tokyo and Japan which overcame environmental problems and worked on the development of mature society, Japanese values that lead to sustainability such as *mottainai* (sense of avoiding waste), and Japanese views on nature such as *satoyama* and *satoumi* (forests and oceans used and cherished by local communities).
- The Tokyo 2020 Games will actively communicate sustainability activities such as cutting edge environmental technologies used for the Games, behavior considering sustainability, and sustainable lifestyles to contribute to achieve global sustainability.

<Example of pioneering initiatives to be presented to the world>

- 100% use of renewable energies and electricity
 - Tokyo 2020 Medal Project: Towards an Innovative Future for All
 - Operation BATON - Building Athletes' village with Timber Of the Nation -
 - Compliance with the UN Guiding Principles on Business and Human Rights
- Raise public awareness of the importance of sustainability by continuously sharing information
 - Tokyo 2020 will explore how to communicate information plainly and clearly with the general public, for example, the ways of communicating information from Olympians and Paralympians, or relating information to stories about events and venues.
 - Display of sustainability-related exhibits , including those about environmental technologies, at the venues and other facilities
 - Distribution of information through business- and environment-related events to be held in parallel with the Games
 - The introduction of systems for sharing data on the environment, including the weather and air quality

3. Action Plans and Progress Status by Parties (Action Progress Report)

3.1 Actions by Functional Areas and Agencies

- Roles of each functional area of Tokyo 2020, the national government, and TMG are individually described (in the field of climate change and resource management)

3.2 Venue-related Activities

Outline

Description of specific sustainability actions taken so far and future actions to be implemented at the Olympic Stadium as well as venues constructed by TMG, temporary venues, overlays, and the Olympic and Paralympic Village which have a great influence on sustainability

Main activities

- Ensuring performance ranked the highest in Comprehensive Assessment System for Built Environment Efficiency (CASBEE) at new permanent venues
- The exploration of the use of environmentally friendly items and materials, the use of rentals and leases upon the procurement for temporary venues and overlays, and the use of items and materials after the Games
- Planting of trees to conserve existing plants and to avoid affecting nearby plants such as native species
- Ensuring accessibility at venues based on the Tokyo 2020 Accessibility Guidelines and other guidelines

4. Management and Tools for Realisation of the Plan

4.1 Sustainability Management System in line with ISO20121

Introduction of ISO20121 that supports Tokyo 2020 to deliver sustainable event and steadily carrying out the planned measures through continuously improving by PDCA cycle.

4.2 Monitoring

- The overall progress of Tokyo 2020 to be managed by establishing monitoring system based on ISO20121.
- Reports will be compiled in spring of 2019, spring of 2020 and winter of 2020/2021.

4.3 Other Studies and Progress Management

Initiatives will be steadily implemented after the development of plans while obtaining expertise and opinions from the Committee, organisations with technical knowledge, sponsors, and other stakeholders.

4.4 Devising and Using the Sustainable Sourcing Code

Tokyo 2020 has devised the Sustainable Sourcing Code for products and services to be procured as well as licensed products, and has established the Grievance Mechanism for accepting and properly dealing with reports of non-compliance with the Sourcing Code. The Sourcing Code will be revised whenever necessary based on the PDCA cycle via appropriate process.

4.5 Conducting Environmental Assessment Surveys

TMG is to predict and assess effects before, during, and after the Tokyo 2020 Games targeting the venues, outdoor sport/discipline and Games plans to minimise negative impacts of the Games and help enhance Tokyo's sustainability.

Appendix

Sustainability Policy

The presentation of fundamental ideas for Tokyo 2020 to operate sustainable Games and the declaration that Tokyo 2020 will use the management system based on ISO20121

<Main direction of the policy>

- Relevance between the vision of the Games and sustainability
- The sustainability concept of the Tokyo 2020 Games
- Relevance between the vision of the Games and the four governing principles of sustainable development
- Operation of the Games which is in line with the Olympic Agenda 2020 and the IOC Sustainability Strategy
- Five main sustainability themes and contribution to realise targets and SDGs
- Measures to consider sustainability and continuous improvement
- Legacy development

Olympic and Paralympic Games Venue Master Plan

Types(permanent, existing, temporary), sports and locations of all venues